Abstract of the Disclosure:

A responsive system for digital signal processing and a method for operation of the responsive system implement computer programs, which are dependent on a respective update status, in data processing units that communicate with one another through a data transmission unit, in order to make the responsive system particularly reliable, even when subject to frequent revision. During each communication, each data processing unit assigns a revision identity characterizing its update status to a signal produced by it. A data processing unit receiving the signal carries out a comparison to determine if the revision identity characterizing the signal matches a revision identity stored for that signal and, if the revision identities match, the signal is processed.

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